



# Lighting

Nearly 11% of your home's electricity bill comes from lighting. Changing your old incandescent bulbs to new ENERGY STAR® certified light-emitting diodes (LED) is a simple step you can take to make your home more energy efficient. Look to TVA EnergyRight® and your local power company to help you make even more smart decisions about your home's energy use.

## How will ENERGY STAR certified lighting save me money?

If every household in the U.S. replaced their five most frequently used incandescent bulbs with ENERGY STAR certified bulbs, it would save about \$8 billion in annual electricity costs. ENERGY STAR certified lighting meets strict third-party-certified performance requirements to ensure your bulbs:

### Use less energy

ENERGY STAR certified bulbs use about 75% less energy than your old incandescent bulbs while still producing the same amount of light. Each ENERGY STAR certified bulb will save about \$6 per year in electricity costs, or more than \$40 over the lifetime of the bulb. Your bulb will pay for itself in about six months. For the most savings, use ENERGY STAR certified bulbs in the fixtures that you leave on the longest.

### Use less heat

ENERGY STAR certified bulbs produce about 75% less heat than incandescent bulbs. That makes them safer to operate and reduces the amount of energy needed to cool your home in the summer.

### Last even longer

ENERGY STAR certified bulbs last six to 25 times longer than incandescent light bulbs and are backed by manufacturer warranties. Since these bulbs don't have to be replaced as often, they're also convenient for those hard-to-reach fixtures.

## Good things to know.

### Brightness

The amount of light produced by a light bulb is measured in lumens, not watts. The more lumens, the brighter the bulb. Since consumers are generally more familiar with incandescent wattage, most light bulb manufacturers conveniently display the equivalent incandescent wattage on the packaging.

### Color shade

The color of light produced by a light bulb is measured in Kelvins (K). A higher number means that the light is whiter (3000K) or bluer (4100K). A lower number means that the light is more yellow (2700K). Most ENERGY STAR bulbs produce light that matches the color of incandescent bulbs in the range of 2,700K to 3,000K, but other varieties are available.

### CFL or LED

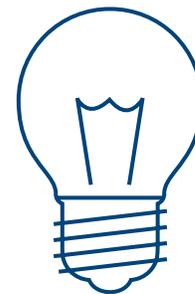
ENERGY STAR certified lighting is available in compact fluorescent lighting (CFL) and light-emitting diode (LED) bulbs. LED bulbs can be more efficient and last longer than CFLs, but CFLs are usually less expensive. Note: If you are using a CFL bulb and it gets broken, proper care has to be taken in cleaning it up. Visit [epa.gov/cfl](http://epa.gov/cfl) to learn the right way to clean up a broken CFL.

### Dimmable

Dimmer-friendly bulbs must be labeled as dimmable on their packaging.

### Outdoor

Bulbs for outdoor fixtures should be rated for outdoor use.



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